

Sofiane SOUAIFI

Curriculum Vitae

Citizenship : french

Professional address : IRMA – Université de Strasbourg
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Academic positions

Since 2003

Université de Strasbourg – France
Lecturer in Mathematics (MCF)

February 2003 – August 2003

Utrecht University – Netherlands
Post-doctoral position, supervisor : E. P. van den Ban,
project : “Eigenfunctions on symmetric spaces”,
financial support : *N.W.O.*

February 2002 – August 2002

Christian-Albrechts University of Kiel – Germany
Post-Doctoral position, supervisor : D. Müller,
financial support : TMR *Harmonic Analysis*

September 2001 – January 2002

Université Louis Pasteur de Strasbourg – France
Assistant lecturer

September 2000 – July 2001

Université Aix-Marseille II – France
Assistant lecturer

Education

1997 – 2001 : Doctoral Thesis in Mathematics (Université Aix-Marseille II) untitled
Fonctions $\mathbb{D}(G/H)$ -finies sur un espace symétrique réductif
Advisor : P. Delorme
Examiners : E. P. van den Ban, N. R. Wallach.
Committee : J.-P. Anker, E. P. van den Ban, J. Carmona, P. Delorme,
J.-P. Labesse, H. Schlichtkrull, P. Torasso, N. R. Wallach.

1996 – 1997 : Graduate certificate at Université Aix-Marseille II

Publications

- [5] Geometric side of a local relative trace formula (with P. Delorme and P. Harinck)
To be published in Trans. Amer. Math. Soc, available on [arXiv:1506.09112v1](https://arxiv.org/abs/1506.09112v1).
- [4] A comparison of Paley-Wiener theorems for real reductive Lie groups (with E. P. van den Ban)
J. Reine Angew. Math., 695 :99–149, 2014.
- [3] Holomorphic L^p -type for sub-Laplacians on connected Lie groups (with J. Ludwig and D. Müller).
J. Funct. Anal., 255 :1297–1338, 2008.
- [2] Filtration de certains espaces de fonctions sur un espace symétrique réductif (with P. Delorme).
J. Funct. Anal., 217(2) :314–346, 2004.
- [1] Fonctions $\mathbb{D}(G/H)$ -finies sur un espace symétrique réductif.
J. Funct. Anal., 195(2) :371–443, 2002.

Preprint

- [6] The constant term of tempered functions on a real spherical space (with P. Delorme and B. Krötz)
Submitted, available on [arXiv:1702.04678v1](https://arxiv.org/abs/1702.04678v1).

Selected talks

- $SL_2(\mathbb{R})$ Days in Luxembourg (December 2016)
- Seminar “Reductive Groups” in Marseille (October 2016)
- Congress of the Société Mathématique de Tunisie (Tunis) (July 2016)
- International Conference LEM2I at the CIRM – Marseille (December 2014)
- Conference “Prehomogeneous vector spaces” in Tokyo (August 2014)
- Oberwolfach Workshop “Representations of Lie Groups and Supergroups” (March 2013)
- Conference “Noncommutative harmonic analysis and representation theory” (Luxembourg) (June 2011)
- Conference “Recent developments in harmonic analysis and their applications” (Marrakech) (April 2011)